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FUEL INJECTION PUMP

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ABSTRACT

PROBLEM TO BE SOLVED: To improve reliability by preventing oil leakage due to wear of an oil **seal** .

SOLUTION: A ring-shaped gap formed between an oil **seal** 28 and a cam **shaft** 21 is sealed by fitting the oil **seal** 28 on a **bearing** cover 25 plugging an induction hole opened on the side wall of a pump casing. The oil **seal** 28 is composed of a ring 8a pressed into a round hole 25a on the **bearing** cover 25 and, for example, a rubber-made **seal** lip to be attached to the ring 28a. The **seal** lip is composed of a main lip 28b for preventing oil from leaking through a cam chamber, an outside air side auxiliary lip 28c provided on the anti- **bearing** side of the main lip 28b for preventing dust contained in the outside air from entering it, and an oil side auxiliary lip 28d provided on the **bearing** side of the main lip 28b for preventing foreign substances contained in lubrication oil from entering it, and each of them is in contact with the outer circumferential surface of the cam **shaft** 21.

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